Mohamed Katary

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EDUCATION

CORNELL UNIVERSITY   **ITHACA, NY**
Bachelor of Science in Computer Science   **2022-2026**

PROFESSIONAL EXPERIENCE

TEALSTONE CONSULTING   **CAMBRIDGE, MA**
 Software Engineer   **JUNE 2024-AUGUST 2024**
- Architectured full stack solutions using React, Node, and Django for 2 startups, enabling launch
- Worked with team of software engineers on code development
- Interacted with a full client's startup lifetime cycle from acquisition to delivery

CORNELL UNIVERSITY SUSTAINABLE DESIGN   **ITHACA, NY**
 Data Researcher   **FEBRUARY 2023-JANUARY 2024**
- Gather public data on the city of Ithaca to obtain LEED certification for buildings and garages
- Worked with team of system engineers on garage design improvement
- Held presentations to a city officials and stakeholders about city's water irrigation

Selected projects
- Texas Hold'em

  https://github.com/BrOCaml/Camel-Flush
    - Developed an AI-powered implementation of a gambling game
    - Extensive focus on random testing using Bisect and OUnit
- Caches in C

  https://github.com/cs3410-p5/cs3410-p5
    - Compared advantages and disadvantages of direct mapped and set/fully associative caches by analyzing hit rate, miss rate and block size
    - Implemented VI and MSI protocol caches with single/multiple core(s)

SKILLS

TECHNICAL
- Frameworks: React, Django, Node, Linux, Git
- Languages: Java, Python, Typescript, OCaml, C/C++
- AI: Pytorch, Tensorflow, NLTK, OpenAI

NON-TECHNICAL
- Transferrable: Creativity, Decision Making, Project-Management
- Leadership: Responsible, Goal-Oriented

HOBBIES
- Technical: Video Editing, Vending/Amusement Business, Electronics
- Outdoors: Hiking, Walking, Photography